

(NASA-197068) HIGH ENERGY DENSITY
CAPACITOR FOR POWER SOURCE
DEVELOPMENT Final Report no. 3, 20
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AUBURN UNIVERSITY

Auburn, AL

ACCOUNT NO. 4-20473

R & D STATUS REPORT

Report No. 3 - Final ReportFOR THE PERIOD OF: 7/20/93 --- 4/20/94 PREPARED: 5/6/94

CONTRACT NO. NASA Contract NAS8-39131

DELIVERY ORDER NO. 23DELIVERY ORDER TITLE: High Energy Density Capacitor for Power Source Development

RESEARCH ACTIVITIES PERFORMED:

Construction of the capacitor bank, charging circuitry, simulated loads, and data acquisition system was completed with all components assembled onto a rack system suitable for transport to MSFC.

Capacitor bank was tested and characterized by discharging into simulated loads. Then it was transported to NASA MSFC for testing at their actuator test bed facility. Capacitor only tests were performed as well as configurations where the capacitor and a battery source were connected in parallel.

PROBLEMS ENCOUNTERED:

No problems were encountered during this reporting period.

RESEARCH ACTIVITIES PLANNED NEXT QUARTER: None. This is the Final Report for this delivery order that expired on April 20, 1994.

Principal Investigator

Dr. Raymond F. Askew

Date: May 6, 1994

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TPR/RA88

Attachment can be appended